

Promoting Mathematical Thinking in Young Children

1

I can figure out how the pieces fit together without giving up.

Make sense of problems and persevere in solving them.



2

I can use numbers and words to count.

Reason abstractly and quantitatively.



3

I can explain what I am thinking.

Construct viable arguments and critique the reasoning of others.



4

I can count and show how many I have.

Model with mathematics.



5

I can use blocks to measure things.

Use appropriate tools strategically.



6

I can use math words to share what I did.

Attend to precision.



7

I can use shapes to make other shapes.

Look for and make use of structure.



8

I can make and create patterns.

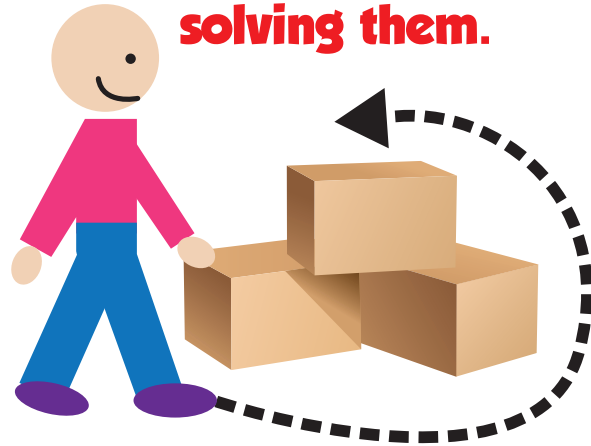
Look for and express regularity in repeated reasoning.



Standards for Student Mathematical Practice

1

Make sense of problems and persevere in solving them.



Keep on going !

2

Reason abstractly and quantitatively.

Write a story for the mathematical equation



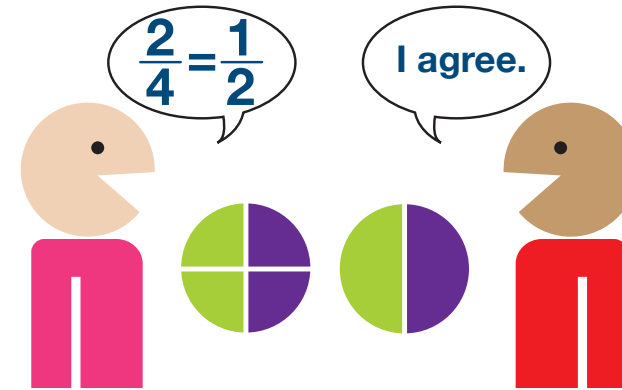
$$\frac{1}{2} \times 4$$

DeJuan exercises 1/2 hour a day for 4 days. How many total hours does he exercise?

Think what makes sense.

3

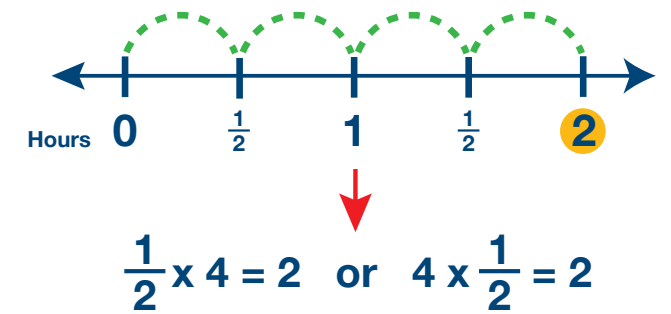
Construct viable arguments and critique the reasoning of others.



Talk and explain.

4

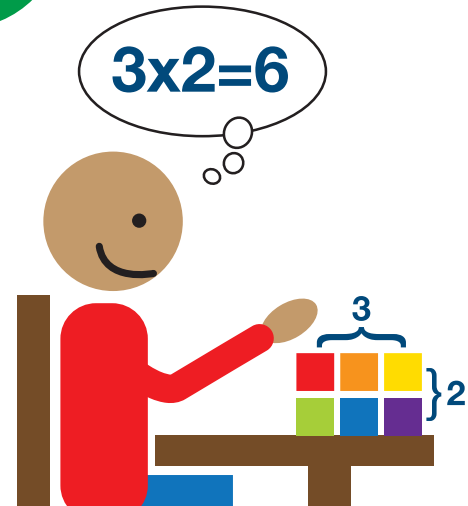
Model with mathematics.



Show your thinking.

5

Use appropriate tools strategically.



Use the right tools.

6

Attend to precision.

symbol: equals (the same as)

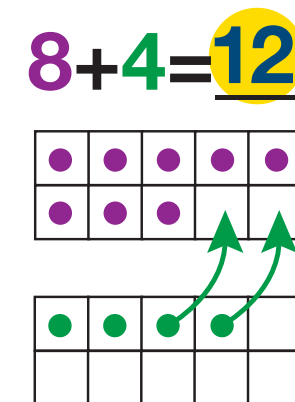
$$120 \text{ minutes} = 2 \text{ hours}$$

units of measure

Check your work.

7

Look for and make use of structure.



See the pattern or connection.

8

Look for and express regularity in repeated reasoning.



See the pattern or connection.